

hardware of the voltage regulator 6 of the alternator 1. It can also be covered with an update of the software (program) to be executed in the CPU 92 of the external controller 9. Thereby, rise of costs due to system alteration can be minimized.

5 In this embodiment, the alternator 1 is isolated from the external controller 9, but these elements can also be integrated.

10 In this embodiment, the external controller 9 switches output voltage of the alternator 1 by sending a signal to the terminal C from the output circuit 91, but it is also possible to change the application condition of a load by sending an instruction for the switching of an electric load from the output circuit 91.

15 The present invention should not be limited to the disclosed embodiments and modifications, but may be implemented in various ways without departing from the spirit of the invention.